

94-110213/14 ROEHM GMBH 92.09.25 92DE-4232194 (24.03.31) COBF 2/18, 4/00, 4/40, 20/00 Polymer beads with low residual monomer content - are prep'd. In two step process using water soluble redox system. C24-051007 Addnl. Data: RAUCH H, ARNDT P J, BRUEMMER H, HOERTINGER B	ROHG 92.09.25 A14 E14 (E12) *DE 4232194-A1 35-J4)	A(3-A3, 9-A, 10-B5) E(10-A4A, 10-A9C, 31-E, 33-C, 35, 35-J4) PREFERRED PROCESS (II) is acryl and methacryl cpds. (III) contains inorganic components, pref. a transition metal cpd. and ammonium persulphate, sodium disulphite and iron (II) sulphate. (III) consists of organic components, pref. t-butyl hydroperoxide and sodium hydroxy methane sulphinic acid.	EXAMPLE A suspension of polymer beads in water (39% solids content) prep'd. by conventional suspension polymerisation had residual monomer contents in the aq. phase of 0.6 ppm iso-buty1 methacrylate, less than 0.5 ppm 2-ethylhexyl acrylate and 38,000 ppm 2-hydroxypropylacrylate. After addn. of ammonium peroxide disulphate (24.5g), sodium disulphite (34.3g) and iron (II) sulphate (0.245g) to the suspension (40 kg) at 60°C, the residual monomer contents were less than 0.5 ppm isobutyl methacrylate and 2-ethyl hexyl acrylate and less than 10 ppm 2-hydroxy propyl acrylate after 2 hrs. USE (I) are useful as raw materials for paint, ion exchange materials and for use in dentistry. ADVANTAGE The process produces (I) with a lower residual monomer content than prior art.	DE4232194-A
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